



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William Dally et al.                      Art Unit : 2782  
Serial No. : 09/637,500                                  Examiner : Henry Tsai  
Filed : August 11, 2000  
Title : HIGH-PERFORMANCE DIGITAL SIGNAL PROCESSOR (DSP) HAVING  
RISC INSTRUCTION EXECUTION PIPELINES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

WRITTEN CONSENT OF ASSIGNEE FOR INVENTORSHIP CORRECTION  
UNDER 37 CFR § 1.48(a)(5) AND § 3.73(b)

As an officer of the concern to which the noted patent application has been assigned, I hereby consent to the correction of inventorship of this application from the naming of WILLIAM J. DALLY, W. PATRICK HAYS, ROBERT GELINAS, SOL KATZMAN, AND STAFFAN ERICSSON to the naming of WILLIAM J. DALLY, W. PATRICK HAYS, ROBERT GELINAS, SOL KATZMAN, SAM ROSEN, AND STAFFAN ERICSSON.

Under 37 CFR §3.73(b), MIPS TECHNOLOGIES, INC., a Delaware corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of a chain of title from the inventors of the patent application identified above, to the current assignee as shown below. Copies of the assignments or other documents in the chain of title are attached.

1. From the inventors to LEXRA, INC. recorded in the United States Patent and Trademark Office on August 7, 2002 at Reel 013174, Frame 0372.
2. From LEXRA, INC. to MIPS TECHNOLOGIES, INC. recorded at the United States Patent and Trademark Office on August 7, 2002 at Reel 013174, Frame 0304.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

Applicant : William Dally et al.  
Serial No. : 09/637,500  
Filed : August 11, 2000  
Page : 2 of 2

Attorney's Docket No.: 12135-014001 / 0142.00US

statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Signature: Sandy Creighton Date: 1/18/05  
Name: Sandy Creighton  
Title: Vice President, General Counsel and Secretary  
Assignee: MIPS Technologies, Inc.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No. : 09/637,500                                  Examiner : Henry Tsai  
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Title : HIGH-PERFORMANCE DIGITAL SIGNAL PROCESSOR (DSP) HAVING  
RISC INSTRUCTION EXECUTION PIPELINES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENT TO REQUEST TO CORRECT INVENTORSHIP

Applicants submit the following two (2) documents to supplement the Request to Correct Inventorship filed on July 11, 2003:

- 1) Written Consent of the Assignee (2 pages); and
- 2) Combined Declaration and Power of Attorney (6 pages).

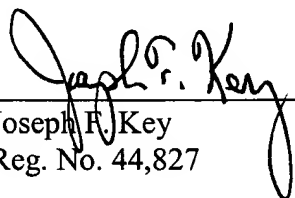
The Written Consent of the Assignee consents to the correction of inventorship and the Combined Declaration and Power of Attorney has been signed by the correct inventive entity.

A copy of the transmittal letter (1 page) and the inventor's declaration of Sam Rosen, who is being added as an inventor, as filed on July 11, 2003, is provided for convenience. A check in the amount of \$130 was filed previously on July 11, 2003 for the fee to correct inventorship. To date, no decision has been mailed in response to the request.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 3/8/2005

  
\_\_\_\_\_  
Joseph R. Key  
Reg. No. 44,827

Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

Docketed By: 11-16-02  
Due Date: 11-16-02  
Initials: AS

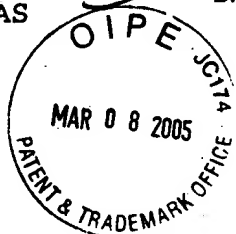
TGM  
JFH  
RWU

12135-014001

OCTOBER 17, 2002

FISH & RICHARDSON P.C.  
JOHN F. HAYDEN  
1425 K STREET, N.W.  
11TH FLOOR  
WASHINGTON, D.C. 20005-3500

PTAS



Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102188458A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/07/2002

REEL/FRAME: 013174/0372  
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GELINAS, ROBERT

DOC DATE: 07/10/2002

ASSIGNOR:  
HAYS, W. PATRICK

DOC DATE: 07/10/2002

ASSIGNOR:  
KATZMAN, SOL

DOC DATE: 07/10/2002

ASSIGNOR:  
DALLY, WILLIAM J.

DOC DATE: 07/18/2002

ASSIGNOR:  
ROSEN, SAM

DOC DATE: 07/17/2002

ASSIGNOR:  
ERICSSON, STAFFAN

DOC DATE: 07/16/2002

Docketed By Practice Systems  
Action Code: Correct Assign  
Base Date: 10/17/02  
Due Date: 11/16/02  
Deadline: 10/22/02  
Initials: BYM  
Record: 10/22/02



013174/0372 PAGE 2

ASSIGNEE:

LEXRA, INC.  
51 SAWYER ROAD  
SUITE 110 UNIVERSITY PARK  
WALTHAM, MASSACHUSETTS 02154

SERIAL NUMBER: 09637500  
PATENT NUMBER:

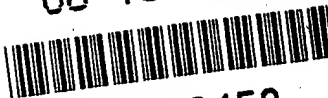
FILING DATE: 08/11/2000  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

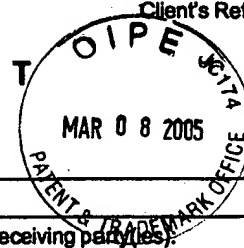


REC

08-13-2002



102188458

Substitute Form PTO-1595  
Attorney Docket No.: 12135-014001  
Client's Ref. No.: 0142.00US

Commissioner for Patents: Please record the attached document(s) or copy(ies).	
1. Name of conveying party(ies): Robert Gelinas, W. Patrick Hays, Sol Katzman, William J. Dally, Sam Rosen and Staffan Ericsson Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): LEXRA, INC. 51 Sawyer Road Suite 110 University Park Waltham, MA 02154 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 7/10/2002; 7/10/2002; 7/10/2002; 7/18/2002; 7/17/2002; 7/16/2002	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/637,500 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: JOHN F. HAYDEN Fish & Richardson P.C. 1425 K Street, N.W. 11th Floor Washington, DC 20005-3500	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  R. Whitney Winston Reg. No. 44,432 Name of Person Signing  Signature  Date 8-7-02  Total number of pages including coversheet, attachments and document: 9	

40089603.doc

08/12/2002 TD1A21 00000072 09637500

01 FC:581

40.00 OP

<p style="text-align: center;"><b>CONFIRMATORY ASSIGNMENT</b></p>	<p>Attorney Docket No:</p> <p style="text-align: center;">12135-014001 / 0142.00US</p>
	<p>U.S. Serial No.</p> <p style="text-align: center;">09/637,500</p>

THIS CONFIRMATORY ASSIGNMENT is by and between ROBERT GELINAS of Needham, Massachusetts, W. PATRICK HAYS of Cambridge, Massachusetts, SOL KATZMAN of Waltham, Massachusetts, WILLIAM J. DALLY of Stanford, California, STAFFAN ERICSSON of Brookline, Massachusetts, and SAM ROSEN of Brookline, Massachusetts (collectively hereinafter called "the Assignors"); and LEXRA, INC., a Delaware corporation having a place of business at 51 Sawyer Road, Waltham, Massachusetts 02154, its successors, and assigns (collectively hereinafter called "Lexra").

WHEREAS, the Assignors made certain inventions and improvements which are described in an application for United States Patent signed by us, entitled HIGH-PERFORMANCE RISC-DSP, filed August 11, 2000, and assigned U.S. Serial Number 09/637,500 (hereinafter called "the Patent Application");

WHEREAS, the Assignors have been compensated for the work performed on the technology which is the subject of the Patent Application;

WHEREAS, it was the intent of the Assignors that all rights, title, and interest to the inventions and improvements described in the Patent Application be the exclusive property of Lexra;

WHEREAS, Robert Gelinas, W. Patrick Hays, Sol Katzman, William J. Dally, and Staffan Ericsson each executed an assignment of all rights, title, and interest to the inventions and improvements described in the Patent Application on October 26, 2000, October 26, 2000, October 26, 2000, November 6, 2000, and October 27, 2000, respectively (hereinafter called "the Prior Assignment");

WHEREAS, Robert Gelinas, W. Patrick Hays, Sol Katzman, William J. Dally, and Staffan Ericsson intended to assign all rights, title, and interest to the inventions and improvements described in the Patent Application to Lexra by executing the Prior Assignment;

WHEREAS, the Prior Assignment mistakenly identified Lexra as "LEXRA COMPUTING ENGINES, a Massachusetts corporation" instead of as "LEXRA, INC., a Delaware corporation;"

## CONFIRMATORY ASSIGNMENT

Attorney Docket No:

12135-014001 / 0142.00US

U.S. Serial No.

09/637,500

WHEREAS, Lexra assigned all right, title, and interest in the inventions and improvements described in the Patent Application to MIPS Technologies, Inc., a Delaware corporation, (hereinafter called "MIPS") on December 31, 2001;

NOW, THEREFORE, in consideration of the above premises and for other good and valuable consideration the receipt of which is hereby acknowledged, the Assignors agree as follows:

1. We hereby assign, convey, transfer, and quitclaim, and confirm the assignment to Lexra of the entire right, title and interest throughout the world in the inventions and improvements which are described in the Patent Application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize Lexra to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements (collectively hereinafter called "the Assigned Rights").

2. The Assignors hereby confirm that this Confirmatory Assignment is *nunc pro tunc* and effective as of the assignment by Lexra to MIPS on December 31, 2001.

3. The Assigned Rights are free and clear of all and any pledge, lien, collateral assignment, security interest, mortgage, title retention, conditional sale or other security arrangement, or any charge, adverse claim of title, ownership or right to use, or any other encumbrance of any kind whatsoever. The Assignors represent that they have not made, and covenant that they will not hereafter make, any assignment, grant, license or other agreement affecting the rights, titles and interests of the Assigned Rights. The Assignors further covenant that they have the full right to convey the right, title and interest assigned by this agreement.

4. The Assignors hereby agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign



# CONFIRMATORY ASSIGNMENT

Attorney Docket No:

12135-014001 / 0142.00US

U.S. Serial No.

09/637,500

such further applications, assignments, Preliminary Statements and other lawful documents as Lexra may reasonably request to effectuate fully this assignment.

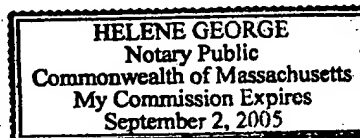
IN WITNESS WHEREOF, I hereto set my hand and seal at Waltham,  
this 10th day of July, 20 02  
Robert Gelin L.S.  
ROBERT GELINAS

State of Massachusetts :  
: ss.  
County of Middlesex :

Before me this 10 day of July, 20 02, personally  
appeared ROBERT GELINAS known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Helene George  
Notary Public  
My Commission Expires:

[Notary's Seal Here]



<b>CONFIRMATORY ASSIGNMENT</b>	Attorney Docket No: <b>12135-014001 / 0142.00US</b>
	U.S. Serial No. <b>09/637,500</b>

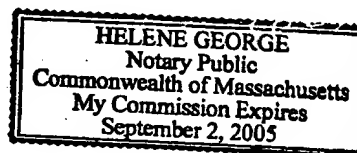
IN WITNESS WHEREOF, I hereto set my hand and seal at Waltham  
 this 10 day of July, 2002  
W. Patrick Hays L.S.  
**W. PATRICK HAYS**

State of MASS :  
 : ss.  
 County of Middlesex:

Before me this 10 day of July, 2002, personally  
 appeared W. PATRICK HAYS known to me to be the person whose name is subscribed to the  
 foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
 the purposes therein contained.

Helene George  
 Notary Public  
 My Commission Expires:

[Notary's Seal Here]



<b>CONFIRMATORY ASSIGNMENT</b>	Attorney Docket No: 12135-014001 / 0142.00US
	U.S. Serial No. 09/637,500

IN WITNESS WHEREOF, I hereto set my hand and seal at Waltham,  
 this 10 day of JULY, 2002  
SOL KATZMAN L.S.

State of MASSACHUSETTS :

: ss.

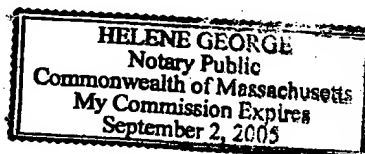
County of MIDDLESEX :

Before me this 10 day of July, 2002, personally  
 appeared SOL KATZMAN known to me to be the person whose name is subscribed to the  
 foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
 the purposes therein contained.

Helene George  
 Notary Public

My Commission Expires:

[Notary's Seal Here]



<b>CONFIRMATORY ASSIGNMENT</b>	Attorney's Pocket No: 12135-014001 / 0142.00US
	U.S. Serial No. 09/637,500

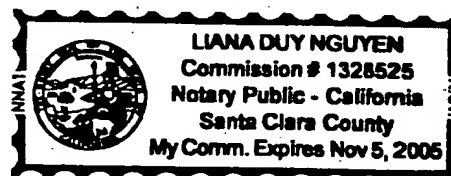
IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_  
this 18<sup>th</sup> day of July, 2002  
William J. Dally L.S.  
WILLIAM J. DALLY

State of California :  
: ss.  
County of Santa Clara :

Before me this 18<sup>th</sup> day of July, 2002, personally  
appeared WILLIAM J. DALLY known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Liana DUY Nguyen  
Notary Public  
My Commission Expires: 11/05/2005

[Notary's Seal Here]



<b>CONFIRMATORY ASSIGNMENT</b>	Attorney's Packet No: <b>12135-014001 / 0142.00US</b>
	U.S. Serial No. <b>09/637,500</b>

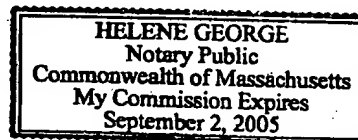
IN WITNESS WHEREOF, I hereto set my hand and seal at Waltham, MA  
 this 17<sup>th</sup> day of July, 20 02.  
[Signature] L.S.  
**STAFFAN ERICSSON**

State of Massachusetts : ss.  
 County of Middlesex :

Before me this 17 day of July, 20 02, personally  
 appeared STAFFAN ERICSSON known to me to be the person whose name is subscribed to the  
 foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
 the purposes therein contained.

Helene George  
 Notary Public  
 My Commission Expires:

[Notary's Seal Here]



# CONFIRMATORY ASSIGNMENT

Attorney Document No:

12135-014001 / 0142.00US

U.S. Serial No.

09/637,500

IN WITNESS WHEREOF, I hereto set my hand and seal at LOS ANGELES, CA  
this 16<sup>th</sup> day of July, 2002  
Sam Rosen L.S.  
SAM ROSEN

State of CALIFORNIA :

: ss.

County of LOS ANGELES :

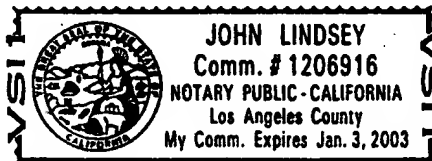
Before me this 16<sup>th</sup> day of JULY, 2002, personally  
appeared SAM ROSEN known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he executed the same as his free act and deed for the  
purposes therein contained.

[Signature]  
Notary Public

My Commission Expires: 1/3/03

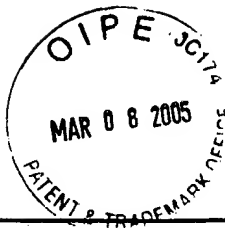
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UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



TGM  
JFM  
RWLW

12135-014001

OCTOBER 17, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

FISH & RICHARDSON P.C.  
JOHN F. HAYDEN  
1425 K STREET, N.W.  
11TH FLOOR  
WASHINGTON, DC 20005-3500



\*102188457A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/07/2002

REEL/FRAME: 013174/0304  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
LEXRA, INC.

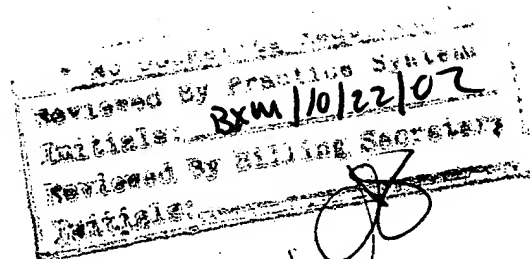
DOC DATE: 12/31/2001

ASSIGNEE:  
MIPS TECHNOLOGIES, INC.  
1225 CHARLESTON ROAD  
MOUNTAIN VIEW, CALIFORNIA 94043

SERIAL NUMBER: 09637500  
PATENT NUMBER:

FILING DATE: 08/11/2000  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS





RECOF

08-13-2002



102188457

Substitute Form PTO-1595  
Attorney Docket No.: 12135-014001  
Client's Ref. No.: 0142.00US

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): <b>LEXRA, INC.</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>MIPS Technologies, Inc. 1225 Charleston Road Mountain View, CA 94043</b>  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 12/31/2001	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: <b>09/637,500</b> B. Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: <b>JOHN F. HAYDEN Fish &amp; Richardson P.C. 1425 K Street, N.W. 11th Floor Washington, DC 20005-3500</b>	6. Total number of applications/patents involved: <b>1</b>  7. Total fee (37 CFR §3.41): <b>\$40</b> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: <b>06-1050</b> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
R. Whitney Winston Reg. No. 44,432 Name of Person Signing	<i>R. Whitney Winston</i> Signature  <b>8-7-02</b> Date
Total number of pages including coversheet, attachments and document: <b>7</b>	

40107688.doc

08/12/2002 TDIAZ1 00000071 09637500

01 FC:581

40.00 CP



## **PATENT ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, LEXRA, INC., a Delaware corporation ("*Assignor*"), does hereby sell, grant, convey, assign and transfer unto MIPS TECHNOLOGIES, INC., a Delaware corporation ("*Assignee*"), and its Affiliates, successors, assigns, and transferees, the following:

1. All of Assignor's title, interest and right, including the right of priority (including all rights under the Paris Convention for the Protection of Industrial Property), in, to and under the following: (i) those issued patents and applications for patents set forth on Schedule A attached hereto and the inventions and any of them therein set forth, described or claimed, and any and all patents which may be granted thereon or therefor or corresponding thereto in any country, including any and all continuations, continuations-in-part, substitutions, divisions, reissues, renewals, reexaminations, extensions, utility models, inventor's certificates or industrial designs thereof, now existing or hereafter filed, issued or acquired; and (ii) all rights to enforce the foregoing rights including the right to sue and recover all income, royalties, damages, and payments now or hereafter due or payable with respect to any of the foregoing rights, including, without limitation, damages for past, present or future infringement thereof (the "*Assigned Rights*"). The Assigned Rights are free and clear of all and any pledge, lien, collateral assignment, security interest, mortgage, title retention, conditional sale or other security arrangement, or any charge, adverse claim of title, ownership or right to use, or any other encumbrance of any kind whatsoever.

2. And for the above consideration Assignor agrees to and will promptly upon request of Assignee, and its heirs, successors or assigns: (i) communicate any facts known to Assignor respecting said patents, applications and the inventions and improvements set forth therein; (ii) execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional, reissue, reexamination or extension, or other papers which may be necessary or desirable fully to secure to Assignee and its heirs, successors and assigns, the inventions and improvements and any of them described in said patents and applications and all patent rights therein, in the United States and in any country foreign thereto; and (iii) cooperate and assist in the prosecution of interference proceedings involving said inventions and improvements in the adjudication and re-examination of Letters Patent, provided the expenses which may be incurred by Assignor in lending such cooperation and assistance be paid by Assignee.

3. Assignor represents that it has not made, and covenants that it will not hereafter make, any assignment, grant, mortgage, license or other agreement affecting the rights, titles and interests of the Assigned Rights. Assignor further covenants that it has the full right to convey the right, title and interest assigned by this Assignment.

4. Assignor hereby authorizes and requests the Commissioner of Patents of the United States and any official of any foreign country whose duty is to issue patents on applications as described above to issue any and all Letters Patents subject to this Assignment to the Assignee its heirs, successors, assigns, and transferees in accordance with the terms of this Assignment.

5. Nothing in this Assignment will, or will be deemed to, modify or otherwise affect any provisions of the Asset Purchase Agreement executed contemporaneously by the parties hereto or affect or modify any of the rights or obligations of the parties under the Asset Purchase Agreement. In the event of any conflict between the provisions hereof and the provisions of the Asset Purchase Agreement, the provisions of the Asset Purchase Agreement will govern and control.

[Signature page follows.]

IN WITNESS WHEREOF, Assignor has caused this Assignment to be duly  
executed by its authorized representative on the date set forth below.

"ASSIGNOR"

LEXRA, INC.,  
a Delaware corporation

By: \_\_\_\_\_

Name: Chungsen C. Cheng

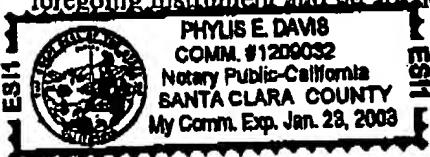
Title: President and CEO

December 31, 2001

STATE OF CALIFORNIA )

COUNTY OF SANTA CLARA )

On this 31st day of December, 2001, before me appeared Chungsen C. Cheng  
to me known and known to me to be the person described herein, and who executed the  
foregoing instrument and he acknowledged the same to be his free act and deed.



[SEAL]

Phyllis E. Davis  
Notary Public

[SIGNATURE PAGE FOR PATENT ASSIGNMENT]

This Assignment of Patents acknowledged and agreed to by:

"ASSIGNEE"

MIPS TECHNOLOGIES, INC.,  
a Delaware corporation

By: *John Bourgoin*

Name: John Bourgoin

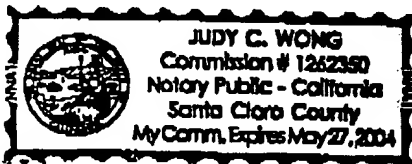
Title: Chairman and CEO

January 7, 2002

STATE OF CALIFORNIA )

COUNTY OF SANTA CLARA )

On this 7th day of January, 2002, before me appeared John Bourgoin, to me known and known to me to be the person described herein, and who executed the foregoing instrument and he acknowledged the same to be his free act and deed.



[SEAL]

*Judy C. Wong*  
Notary Public

[SIGNATURE PAGE FOR PATENT ASSIGNMENT]

**SCHEDULE A**  
**EXISTING PATENTS**

**None.**

**SCHEDULE A**  
(continued)

**PATENT APPLICATIONS**

<b><u>Title</u></b>	<b><u>First Inventor</u></b>	<b><u>Country</u></b>	<b><u>Case Type</u></b>	<b><u>Application Number</u></b>	<b><u>Filing Date</u></b>	<b><u>Status</u></b>
Processor for Network Communications with Efficient Use of Processor Cycles	Robert Gelinas, W. Patrick Hays, Sol Katzman, and William J. Dally	USA	non-provisional	09/591,510	June 12, 2000	Filed and pending.
System and Method for Extracting Fields from Packets Having Fields Spread Over More Than One Register	Sol Katzman, Robert Gelinas and W. Patrick Hays	USA	non-provisional	09/799,610	March 7, 2001	Filed and pending.
High-Performance RISC-DSP	Robert Gelinas, W. Patrick Hays, Sol Katzman, Sam Rosen, William J. Dally, Staffan Ericason	USA	non-provisional	09/637,500	August 11, 2000	Filed and pending.
Register Set Extension for Compressed Instruction Set	W. Patrick Hays	USA	non-provisional	09/654,064	Sept 1, 2000	Filed and pending.



## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIGH PERFORMANCE RISC-DSP, the specification of which:

☐ is attached hereto.

☒ was filed on August 11, 2000 as Application Serial No. 09/637,500 and was amended on N/A.

☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
60/148,652	August 13, 1999	

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status
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I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

# Combined Declaration and Power of Attorney

Page 2 of 3 Pages

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John F. Hayden, Reg. No. 37,640; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; Ralph A. Mittelberger, Reg. No. 33,195; John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeier, Reg. No. 33,567; Charles C. Winchester, Reg. No. 21,040; William D. Hare, Reg. No. 44,739; James E. Mrose, Reg. No. 33,264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Robert V. Racunas, Jr., Reg. No. 43,027; Diana DiBerardino, Reg. No. 45,653; W. Karl Renner, Reg. No. 41,265; R. Whitney Winston, Reg. No. 44,432; Heather Morin, Reg. No. 37,336 and James F. Kurkowski, Reg. No. 35,923.

Address all telephone calls to R. WHITNEY WINSTON at telephone number (202) 626-6389.

Address all correspondence to JOHN F. HAYDEN at:

FISH & RICHARDSON P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: WILLIAM J. DALLY

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Address: Stanford, CA  
Citizenship: United States  
Post Office Address: 1068 Vernier Place, Stanford CA 94305

Full Name of Inventor: W. PATRICK HAYS

Inventor's Signature: W. Patrick Hays Date: 7/19/02  
Residence Address: Cambridge, MA  
Citizenship: United States  
Post Office Address: 20 Garfield Street, Cambridge, MA 02138



## Combined Declaration and Power of Attorney

Page 2 of 3 Pages

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John F. Hayden, Reg. No. 37,640; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; Ralph A. Mittelberger, Reg. No. 33,195; John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeyer, Reg. No. 33,567; Charles C. Winchester, Reg. No. 21,040; William D. Hare, Reg. No. 44,739; James E. Mrose, Reg. No. 33,264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Robert V. Racunas, Jr., Reg. No. 43,027; Diana DiBerardino, Reg. No. 45,653; W. Karl Renner, Reg. No. 41,265; R. Whitney Winston, Reg. No. 44,432; Heather Morin, Reg. No. 37,336 and James F. Kurkowski, Reg. No. 35,923.

Address all telephone calls to R. WHITNEY WINSTON at telephone number (202) 626-6389.

Address all correspondence to JOHN F. HAYDEN at:

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1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: WILLIAM J. DALLY

Inventor's Signature: 

Date: 7/18/02

Residence Address:

Stanford, CA

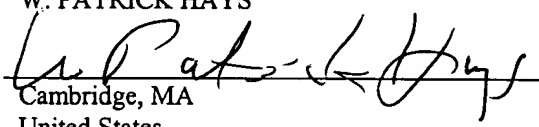
Citizenship:

United States

Post Office Address:

1068 Vernier Place, Stanford CA 94305

Full Name of Inventor: W. PATRICK HAYS

Inventor's Signature: 

Date: 7/19/02

Residence Address:

Cambridge, MA

Citizenship:

United States

Post Office Address:

20 Garfield Street, Cambridge, MA 02138



### Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: ROBERT GELINAS

Inventor's Signature: Robert Gelinas

Date: 7/10/02

Residence Address: Needham, MA

Citizenship: United States

Post Office Address: 12 Oakland Avenue, Needham, MA 02492

Full Name of Inventor: SOL KATZMAN

Inventor's Signature: Sol Katzman

Date: 7/14/02

Residence Address: Waltham, MA

Citizenship: United States

Post Office Address: 207 Temple Road, Waltham, MA 02452

Full Name of Inventor: SAM ROSEN

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full Name of Inventor: STAFFAN ERICSSON

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: Brookline, MA

Citizenship: Sweden

Post Office Address: 79 Carlton Street, Brookline, MA 02446



# Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: ROBERT GELINAS

Inventor's Signature:

*Robert Gelinas*

Date:

7/10/02

Residence Address:

Needham, MA

Citizenship:

United States

Post Office Address:

12 Oakland Avenue, Needham, MA 02492

Full Name of Inventor: SOL KATZMAN

Inventor's Signature:

Date:

Residence Address:

Waltham, MA

Citizenship:

United States

Post Office Address:

207 Temple Road, Waltham, MA 02452

Full Name of Inventor: SAM ROSEN

Inventor's Signature:

*Sam Rosen*

Date:

6/7/02

Residence Address:

LOS ANGELES, CA

Citizenship:

UNITED STATES

Post Office Address:

2180 S BEVERLY GLEN BLVD #370 LOS ANGELES CA 90025

Full Name of Inventor: STAFFAN ERICSSON

Inventor's Signature:

Date:

Residence Address:

Brookline, MA

Citizenship:

Sweden

Post Office Address:

79 Carlton Street, Brookline, MA 02446

**Combined Declaration and Power of Attorney**

Page 3 of 3 Pages

Full Name of Inventor: ROBERT GELINAS

Inventor's Signature: Robert GelinasDate: 7/10/02

Residence Address: Needham, MA

Citizenship: United States

Post Office Address: 12 Oakland Avenue, Needham, MA 02492

Full Name of Inventor: SOL KATZMAN

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: Waltham, MA

Citizenship: United States

Post Office Address: 207 Temple Road, Waltham, MA 02452

Full Name of Inventor: SAM ROSEN

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full Name of Inventor: STAFFAN ERICSSON

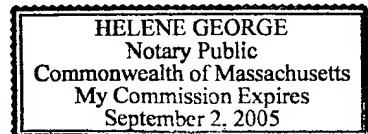
Inventor's Signature: Staffan EricssonDate: 7/17/02

Residence Address: Brookline, MA

Citizenship: Sweden

Post Office Address: 79 Carlton Street, Brookline, MA 02446

40103035.doc

Helene George  
7/17/2002



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William Dally et al.                      Art Unit : 2782  
Serial No. : 09/637,500                                  Examiner : Unknown  
Filed : August 11, 2000  
Title : HIGH PERFORMANCE RISC-DSP

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Enclosed is a petition to add inventor Sam Rosen to the above application. This error occurred without deceptive intent.

A check for \$130 in payment of the fee required under 37 CFR §1.17(i) is enclosed.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 7-11-00

R. Whitney Winston  
Reg. No. 44,432

Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William J. Dally et al.  
Serial No. : 09/637,500  
Filed : August 11, 2000  
Title : HIGH PERFORMANCE RISC-DSP

Art Unit : 2782  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

PETITION TO CORRECT INVENTORSHIP  
INVENTOR'S DECLARATION

SAM ROSEN hereby declares:

1. That he is an original named inventor of the noted patent application.
2. That through error, without any deceptive intention on his part or that of any actual inventor, the above-captioned application was filed naming WILLIAM J. DALLY, W. PATRICK HAYS, ROBERT GELINAS, SOL KATZMAN, AND STAFFAN ERICSSON, rather than WILLIAM J. DALLY, W. PATRICK HAYS, ROBERT GELINAS, SOL KATZMAN, SAM ROSEN, AND STAFFAN ERICSSON. This error was discovered after the application was filed.
3. That all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 7/16/2002

  
\_\_\_\_\_  
SAM ROSEN

Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
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40103034.doc